

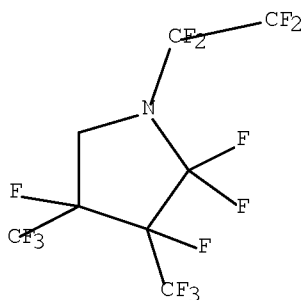
L1 STRUCTURE UPLOADED

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



L2 0 S L1 SSS SAM

L3 3 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 16:52:43 ON 03 AUG 2010

L4 2 S L3

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

AB The suggested emulsion contains quickly excretable perfluoroorg. compds. as perfluorodecalin and perfluorooctylbromide, perfluoroorg. additive and phospholipids in the form of dispersion prepared due to homogenization at pressure of not less than 100 atmospheric in water-saline medium. The perfluoroorg. additive is a mixture of perfluorated tertiary amines - perfluorotripropylamine and its co-products: cis- and trans-isomers of perfluoro-1-propyl-3,4-dimethylpyrrolidone and perfluoro-1-propyl-4-methylpiperidine. The method to obtain the emulsion deals with obtaining the dispersion of phospholipids due to homogenization at pressure of not less than 100 atmospheric in water-saline medium followed by thermal sterilization, then comes homogenization at pressure of the mentioned perfluoroorg. compds. in dispersion of phospholipids and thermal sterilization of the ready-to-use emulsion. The latter is indicated to treat blood losses, hypoxic and ischemic states, improve oxygen supply by blood and keep isolated perfused organs and tissues. In accordance to the present innovation stability of emulsion has been increased and its qualities have been improved. Storage period of emulsion in its unfrozen state at +4 °C corresponds to 12 mo, not less, moreover, biocompatibility of emulsion with biol. medium (blood, plasma or serum) has been kept.

ACCESSION NUMBER: 2005:991122 CAPLUS Full-text

DOCUMENT NUMBER: 143:292538

TITLE: Emulsion of perfluoroorganic compounds of medicinal

PATENT ASSIGNEE(S): indication and a method for obtaining it
Kuznetsova, Irina Nikolaevna, Russia;

Maevskii,

SOURCE: Evgenii Il'ich; Germanov, Evgenii Pavlovich
Russ., No pp. given
CODEN: RUXXE7
DOCUMENT TYPE: Patent
LANGUAGE: Russian
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	----

RU 2259819	C1	20050910	RU 2004-106722	
20040301				
CA 2557833	A1	20050929	CA 2005-2557833	
20050207				
WO 2005089739	A1	20050929	WO 2005-RU58	
20050207				
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ,				
CA, CH,				
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,				
GB, GD,				
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,				
KZ, LC,				
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,				
NA, NI,				
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,				
SL, SM,				
SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,				
ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,				
ZW, AM,				
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ,				
DE, DK,				
EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL,				
PL, PT,				
RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ,				
GW, ML,				
MR, NE, SN, TD, TG				
EP 1736148	A1	20061227	EP 2005-726945	
20050207				
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR,				
HU, IE,				
IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 101014326	A	20070808	CN 2005-80013930	
20050207				
JP 2007525536	T	20070906	JP 2007-501743	
20050207				
IN 2006DN04895	A	20070810	IN 2006-DN4895	
20060825				
US 20070197475	A1	20070823	US 2006-591411	
20060901				
PRIORITY APPLN. INFO.:			RU 2004-106722	A
20040301				
			WO 2005-RU58	W
20050207				

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

IT 864160-31-6

RL: PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process);

USES (Uses)

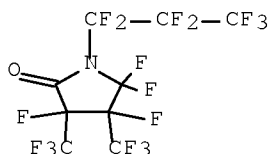
(emulsion of perfluoroorg. compds. of medicinal indication and a method

for obtaining it)

RN 864160-31-6 CAPLUS

CN 2-Pyrrolidinone, 3,4,5,5-tetrafluoro-1-(1,1,2,2,3,3,3-heptafluoropropyl)-

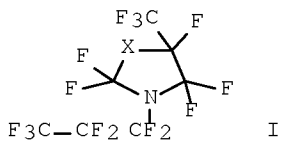
3,4-bis(trifluoromethyl)- (CA INDEX NAME)



OS.CITING REF COUNT: 2 THERE ARE 2 CAPLUS RECORDS THAT CITE THIS RECORD

(4 CITINGS)

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN
GI



AB The compds. I [X = CF(CF3), CF2CF2] are manufactured by electrolytic fluorination of triallylamine in anhydrous liquid HF. The compns. containing cis-perfluoro-1-propyl-3,4-dimethylpyrrolidine (II), trans-perfluoro-1-propyl-3,4-dimethylpyrrolidine (III), perfluoro-1-propyl-3-methylpiperidine (IV), and perfluorotripropylamine (V) are useful for elec. insulators and heating medium for manufacturing semiconductor device. Triallylamine was electrolytically fluorinated in HF at 9.5 A, 3 A/dm², and 15-20° for 117 h to give 35% composition containing II 32, III 13, IV 24, and V 30%. The composition showed good transparent liquid phase at -70° and low volatility at 100°.

ACCESSION NUMBER: 2002:305757 CAPLUS Full-text

DOCUMENT NUMBER: 136:327374

TITLE: Perfluoro cyclic amines, constant boiling point

compositions, and their manufacture

INVENTOR(S): Kanno, Kiyomitsu; Nagashima, Toshio; Kaurova, Galina

I.; Moldavskij, Dmitrij D.; Gribel, Vladimir

I.

PATENT ASSIGNEE(S): Showa Denko K. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	----

JP 2002121184	A	20020423	JP 2000-311058	
20001011				
JP 4021611	B2	20071212		
US 20020125458	A1	20020912	US 2001-924558	
20010809				
US 6602844	B2	20030805		
US 20030199409	A1	20031023	US 2003-434121	
20030509				
US 6989088	B2	20060124		
PRIORITY APPLN. INFO.:			JP 2000-243518	A
20000811				
			JP 2000-311058	A
20001011				
			US 2000-241741P	P
20001020				
			US 2001-924558	A3

20010809

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

OTHER SOURCE(S): MARPAT 136:327374

IT 413579-51-8F 413579-52-9F

RL: IMF (Industrial manufacture); TEM (Technical or engineered material

use); PREP (Preparation); USES (Uses)

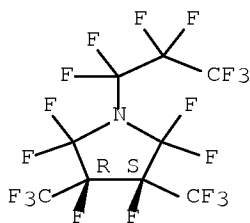
(perfluoro cyclic amines, constant b.p. compns. and their manufacture)

RN 413579-51-8 CAPLUS

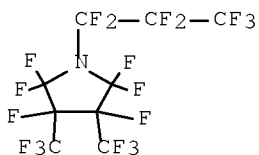
CN Pyrrolidine, 2,2,3,4,5,5-hexafluoro-1-(1,1,2,2,3,3,3-heptafluoropropyl)-

3,4-bis(trifluoromethyl)-, (3R,4S)-rel- (CA INDEX NAME)

Relative stereochemistry.



RN 413579-52-9 CAPLUS
CN Pyrrolidine, 2,2,3,4,5,5-hexafluoro-1-(1,1,2,2,3,3,3-heptafluoropropyl)-
3,4-bis(trifluoromethyl)- (CA INDEX NAME)



L5 E KUZNETSOVA IRINA//AU
14 S E1-2
E MAIEVSKY EVGENY?/AU
E MAIEVSKY E?/AU
E MAIEVSKY I?/AU
E MAIEVSKY ILICH?/AU
L6 1 S L5 AND (?PERFLUORO?)

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2010 ACS on STN
AB There is not enough to study of the perfluorocarbon (PFC) emulsions particle size only for judgment the question about their stability and quality. It is essential to evaluate also the structure alteration of PFC emulsions and their compatibility with the blood serum. It was shown that stability of PFC emulsion of the same composition depend on the mode of their preparing The particle size of frozen PFC emulsions as a rule does not change at storage and their compatibility with blood serum can remain unchanged. However, the integrity of particle structure of PFC emulsions may be destroyed at unfreezing. The average diameter of PFC emulsion particles may remain unchanged at storage, but the compatibility with blood serum may become worse.

ACCESSION NUMBER: 1998:272467 CAPLUS Full-text
DOCUMENT NUMBER: 129:85980
ORIGINAL REFERENCE NO.: 129:17645a,17648a
TITLE: Stability of perfluorocarbon emulsions and their compatibility with blood serum
AUTHOR(S): Kuznetsova, Irina N.
CORPORATE SOURCE: Laboratory of Blood Substitutes, Russian Research
Institute of Hematology and Transfusiology,
St.
Petersburg, 193024, Russia
SOURCE: Artificial Cells, Blood Substitutes, and Immobilization Biotechnology (1998), 26(2),
181-189
CODEN: ABSBE4; ISSN: 1073-1199
PUBLISHER: Marcel Dekker, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
CC 63-7 (Pharmaceuticals)

ST perfluorocarbon emulsion compatibility blood serum

IT Drug delivery systems
 (emulsions; stability of perfluorocarbon emulsions and their
 compatibility with blood serum)

IT Blood serum
 Blood substitutes
 (stability of perfluorocarbon emulsions and their
 compatibility with blood serum)

IT Perfluorocarbons
 RL: BAC (Biological activity or effector, except adverse); BSU
 (Biological
 study, unclassified); PRP (Properties); THU (Therapeutic use);

BIOL
 (Biological study); USES (Uses)
 (stability of perfluorocarbon emulsions and their
 compatibility with blood serum)

L7 13 S L5 NOT L6

L8 13 S L7 AND (PY<=2004 OR AY<=2004 OR PRY<=2004)